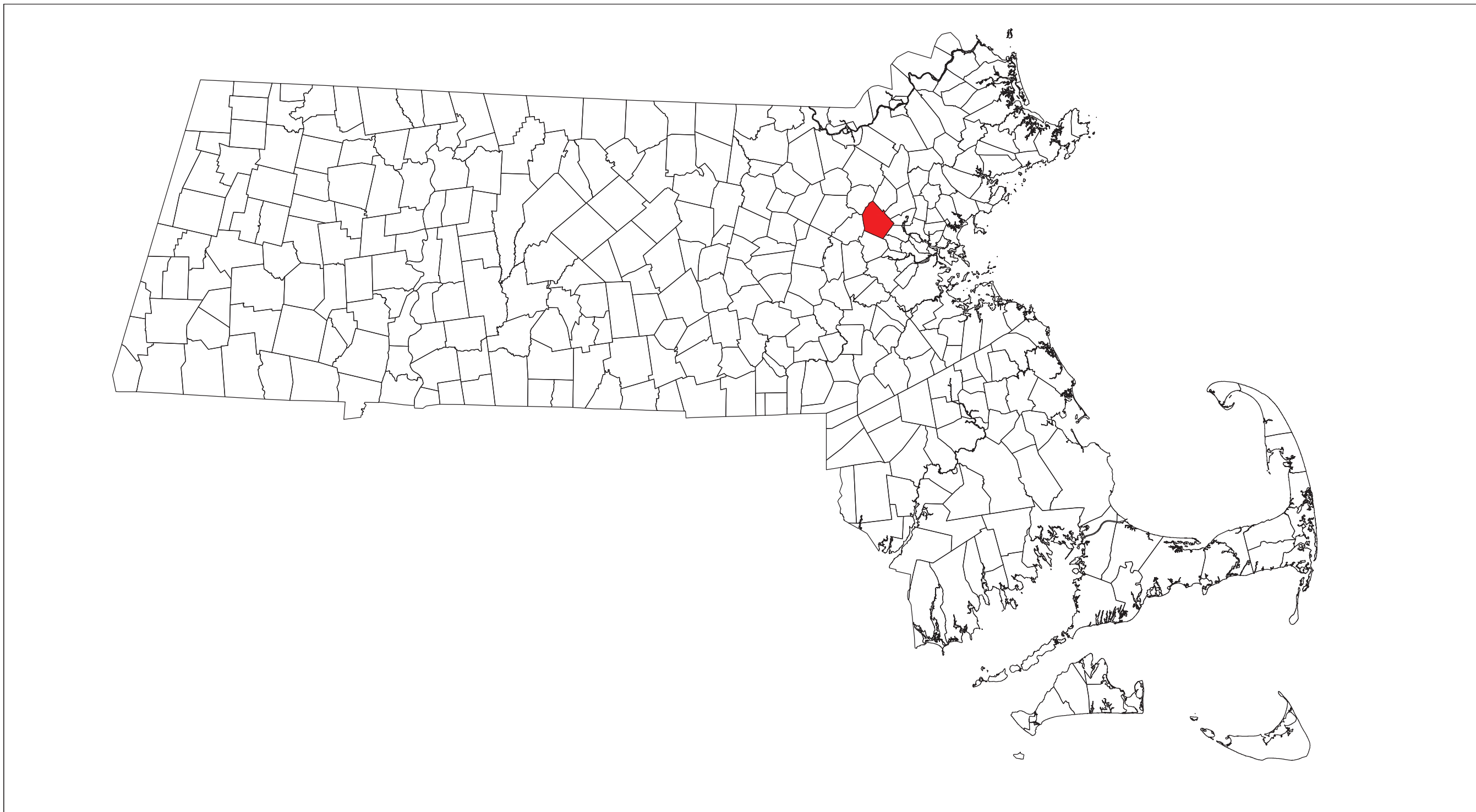


O:\Brightfields\Lexington Solar Landfill\CAD\01 Lexington Composting Facility - Solar Project - Cover T-1\_rev1.dwg

# LEXINGTON COMPOSTING FACILITY

## 2,141.48 (DC) SOLAR PHOTOVOLTAIC (PV) PROJECT

60 HARTWELL AVENUE  
LEXINGTON, MASSACHUSETTS 02421



MASSACHUSETTS MUNICIPAL MAP  
SCALE: N.T.S.



SITE LOCUS MAP  
SCALE: 1"= 900'



SITE LOCATION MAP (AERIAL VIEW)  
SCALE: 1"=400'

### PROJECT DIRECTORY

DEVELOPER(S): BRIGHTFIELDS DEVELOPMENT, LLC. 41 WALNUT STREET, SUITE 301 WELLESLEY, MASSACHUSETTS 19087	LANGDON ENVIRONMENTAL, LLC. 241 BOSTON POST ROAD, WEST 1ST FLOOR MARLBOROUGH, MASSACHUSETTS 01752
CONTACT: MIKE SINGER (860) 214-7195	CONTACT: BRUCE HASKELL (508) 630-0351
SOLARCITY, INC. 35 MEDFORD STREET, SUITE 306 SOMERVILLE, MASSACHUSETTS 02143	ELECTRICAL ENGINEER: POWER ENGINEERS, LLC. 37 FOX DEN ROAD KINGSTON, MASSACHUSETTS 02364
CONTACT: MILES HOVIS (704) 813-4027	CONTACT: DAVID COLOMBO, PE (508) 612-0382
HOST: TOWN OF LEXINGTON 1625 MASSACHUSETTS AVE. LEXINGTON, MASSACHUSETTS 02420	UTILITY: EVERSOURCE ONE NSTAR WAY WESTWOOD, MASSACHUSETTS 02090
CONTACT: BILL HADLEY (781) 274-8300	CONTACT: BRIAN ROONEY (781) 441-3409
ENGINEER(S): WESTON & SAMPSON ENGINEERS, INC. 5 CENTENNIAL DRIVE PEABODY, MASSACHUSETTS 01960	
CONTACT: STEPHEN WIEHE, PG (978) 532-1900	

### DRAWING INDEX

SHEET	SHEET TITLE
T-1	COVER SHEET
G-1	NOTES, LEGENDS, AND ABBREVIATIONS
G-2	NOTES, LEGENDS, AND ABBREVIATIONS II
C-1	AREA SITE PLAN
C-2	SURVEY PLAN
C-3	EROSION CONTROL AND GRADING PLAN - LOWER CANOPY
C-4	EROSION CONTROL AND GRADING PLAN - UPPER CANOPY AND GROUND MOUNTED ARRAY
C-5	LOWER CANOPY LAYOUT PLAN
C-6	UPPER CANOPY AND GROUND MOUNTED ARRAY LAYOUT PLAN
C-7	BORING LOCATION PLAN
C-8	SECTIONS PLAN
D-1	TYPICAL DETAILS I
D-2	TYPICAL DETAILS II

### SOLAR PHOTOVOLTAIC (PV) SYSTEM DESCRIPTION

SYSTEM	LOWER CANOPY	UPPER CANOPY	GROUND MOUNTED ARRAY
SYSTEM SIZE	442.68 kW (DC)	426.56 kW (DC)	1,272.24 kW (DC)
MODULE	(1,428) TRINA SOLAR TSM-PD14 (310W)	(1,376) TRINA SOLAR TSM-PD14 (310W)	(4,104) TRINA SOLAR TSM-PD14 (310W)
TILT ANGLE	5 DEGREES	5 DEGREES	20 DEGREES
AZIMUTH	±219 DEGREES	±197 DEGREES	180 DEGREES (SOUTH)
RACKING	SOLAIRE GENERATION LONG SPAN 360S CARPORT	SOLAIRE GENERATION LONG SPAN 360S CARPORT	GAMECHANGE RACKING (BALLASTED)

### SITE INFORMATION AND ZONING TABLE (SEE NOTE 1)

OWNER:	TOWN OF LEXINGTON	EXISTING LAND USE:	
MAP-PARCEL	79-50	COMPOSTING OPERATION / CLOSED LANDFILL	
ZONING:		OVERLAY ZONING DISTRICT:	
MANUFACTURING (CM)		TRANSPORTATION MANAGEMENT (TMO)	
REGULATION REQUIREMENTS	CM	EXISTING	PROPOSED
MIN. LOT AREA (AC.)	3	67.84	N/A
MIN. FRONT YARD SETBACK (FT.)	25	N/A	N/A
MIN. SIDEYARD SETBACK (FT.)	25	5	5
MIN. REARYARD SETBACK (FT.)	25	391	428
MAX. SITE COVERAGE	NO REQUIREMENT	N/A	N/A
MAX. BUILDING HEIGHT (FT.)	65	<65	<65
AREA IN VEGETATED WETLAND (AC.)	N/A	33.39	33.39
DEVELOPABLE SITE AREA (AC.)	N/A	25.82	25.82
LENGTH OF STREET & AREA WITHIN STREET ROW (FT.)	N/A	N/A	N/A
AREA IN COMMON OPEN SPACE (AC.)	N/A	N/A	N/A
AREA & PERCENTAGE OF SITE COVERAGE OF BUILDINGS (SF. / %)	N/A	9,381 / 0.3	5,743 / 0.1
AREA COVERED WITH IMPERVIOUS SURFACE (AC.)	N/A	23.05	23.05
IMPERVIOUS SURFACE RATIO (%)	N/A	33	33
GROSS FLOOR AREA & NET FLOOR AREA OF ALL NON-RESIDENTIAL BUILDINGS (S.F.)	N/A	9,381	9,381
FLOOR AREA RATIO OF ALL NON-RESIDENTIAL BUILDINGS (%)	N/A	.3	.3
DENSITY OF DWELLING UNITS; OR EQUIVALENT (%)	N/A	N/A	N/A
NUMBER OF OFF-STREET PARKING SPACES AND LOADING BAYS	N/A	N/A	N/A

### NOTES:

- EXISTING CONDITIONS AND SITE INFORMATION FROM PLANS REFERENCED ON SHEET C-2, CHAPTER 135 SECTION 77 OF THE TOWN OF LEXINGTON ZONING BY-LAW (DATED APRIL 2015), TOWN OF LEXINGTON 2015 ZONING MAP (DATED JUNE 2015), AND THE TOWN OF LEXINGTON INTERACTIVE GEOGRAPHIC INFORMATION SYSTEMS (GIS) VIEWER. ALL QUANTITIES APPROXIMATE.

Project:

LEXINGTON COMPOSTING  
FACILITY  
SOLAR PROJECT



60 HARTWELL AVENUE  
LEXINGTON, MA 02421



BRIGHTFIELDS  
DEVELOPMENT LLC  
41 Walnut Street, Suite 301  
Wellesley, MA 02481  
(781) 468-6239  
www.solarbrownfields.com



35 Medford Street, Suite 306  
Somerville, MA 02143  
(781) 888-4661  
www.solarcity.com

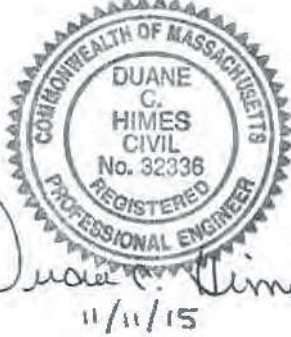


5 Centennial Drive Peabody, Massachusetts  
(978) 532-1900 (800) Sampson  
www.westonandsampson.com

### Revisions:

Rev	Date	Description
1	11.12.15	CON. COMM. COMMENTS

Seal:



PERMIT SET  
NOT FOR CONSTRUCTION

JOB NO. 2150511

Date: 10.12.2015

Scale: AS SHOWN

Drawn By: MSS

Reviewed By: MSS

Checked By: DCH

Approved By: DCH
























































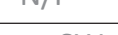
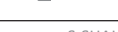
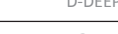








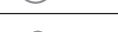
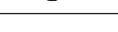



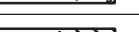







Drawing Title:

COVER SHEET

Sheet Number:

T-1



LEGEND		
DESCRIPTION	EXISTING	PROPOSED
CATCH BASIN		 CB
HYDRANT		
UTILITY POLE		
LIGHT POST		
EDGE OF PAVEMENT		
EDGE OF UNPAVED ROAD		
GAS LINE		
RAILROAD		
STONE WALL		
RETAINING WALL		
FENCE		
INDIVIDUAL DECIDUOUS TREE		
INDIVIDUAL EVERGREEN TREE		
EDGE OF WOODS		
DEBRIS / SOIL PILE / RUBBLE		
ELECTRIC METER		
SURVEY MARKER		
PROPERTY BOUNDARY		
APPROXIMATE LIMIT OF WASTE		
SPOT ELEVATIONS		
DEPRESSION CONTOUR LINES		
RESOURCE FLAG		
GUY WIRE		
EROSION CONTROL MATTING		
RIP RAP		
SIGN		
BENCH MARK		
AUGER BORING		
PERCOLATION TEST		
TEST PIT		
SOIL BORING		
HIGH POINT		
BLIND FLANGE		
GAS CONDENSATE KNOCKOUT		
CONTROL VALVE		
BAR HOLE PROBE (LANDFILL GAS MONITORING)		
POLYVINYL CHLORIDE (PIPE)		
CONCRETE		
PAVEMENT		
NOW OR FORMERLY		
SURFACE WATER SAMPLING LOCATION		
GROUNDWATER MONITORING WELL		
EXISTING WELL		
GAS EXTRACTION WELL		
SOIL GAS MONITORING POINT		
GAS VENT		
SEDIMENT/EROSION CONTROLS		
ROCK OUTCROP		
PHASE BOUNDARY		
SEWER MANHOLE		
MANHOLE (MH) FOR UNDERDRAIN SYSTEM		
DRAIN MANHOLE (DMH)		
STAFF GAUGE		
GRASS SWALE		
SIDE SLOPE SWALE		
END CAP		
UTILITY MANHOLE		
PV MODULE RACK		
OVERHEAD WIRE		
RIVER FRONT AREA BUFFER		
BORDERED VEGETATED WETLAND BUFFER		

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL CALL DIGSAFE AT 811 OR 1-888-344-7233 AT LEAST 72 HOURS, SATURDAYS, SUNDAYS, AND HOLIDAYS EXCLUDED, PRIOR TO EXCAVATING AT ANY LOCATION. A COPY OF THE DIGSAFE PROJECT REFERENCE NUMBER(S) SHALL BE GIVEN TO THE OWNER PRIOR TO EXCAVATION.
2. LOCATIONS OF EXISTING PIPES, CONDUITS, UTILITIES, FOUNDATIONS AND OTHER UNDERGROUND OBJECTS ARE NOT WARRANTED TO BE CORRECT AND THE CONTRACTOR SHALL HAVE NO CLAIM ON THAT ACCOUNT SHOULD THEY BE OTHER THAN SHOWN.
3. STONE WALLS, FENCES, CURBS, ETC. SHALL BE REMOVED AND REPLACED AS NECESSARY TO PERFORM THE WORK. UNLESS OTHERWISE INDICATED, ALL SUCH WORK SHALL BE INCIDENTAL TO CONSTRUCTION OF THE PROJECT.
4. ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND PAYMENT LIMITS SHALL BE RESTORED AT NO ADDITIONAL COST TO THE OWNER.

SPECIFICATIONS FOR WORK ON LANDFILL:

GENERAL:

1. THE CONTRACTOR SHALL BE AWARE THAT WORK IS LOCATED ON A LANDFILL AND IS SUBJECT TO THE MASSACHUSETTS CONTINGENCY PLAN (MCP), 310 CMR 40.0000. THE LANDFILL WAS CLOSED WITH AN ACTIVITY AND USE LIMITATION (RELEASE TRACKING NUMBER 3-21522) UNDER THE MCP IN 2009.
2. THE CONTRACTOR SHALL BE AWARE THAT THE WORK IS TO TAKE PLACE ON TOP OF A LANDFILL, WHICH WAS CAPPED WITH 2 FEET OF SOIL FOLLOWED BY MISCELLANEOUS DEPARTMENT OF PUBLIC WORKS (DPW) MATERIALS TO APPROXIMATELY 10 TO 15 FEET ABOVE THE MUNICIPAL SOLID WASTE.
3. WORK SHALL BE COMPLETED IN GENERAL ACCORDANCE WITH THE MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION'S MCP PROTOCOL.
4. THE CONTRACTOR SHALL HAVE A HEALTH AND SAFETY PLAN WHILE WORKING ON THE LANDFILL.

EXCAVATIONS:

1. THE CONTRACTOR SHALL PROVIDE AN EXCAVATION PLAN DETAILING HOW THE CONTRACTOR WILL COMPLY WITH ALL PERTINENT PROVISIONS OF THE CONTRACT DOCUMENTS, INCLUDING SITE RESTRICTIONS, WORK PROTOCOLS, TEMPORARY ROADS, ON-SITE PARKING AND STORAGE AREAS.
2. EXCAVATIONS ON THE LANDFILL AREA SHALL BE PERFORMED WITH THE GUIDANCE OF A LABORER OR 'SPOTTER' AT ALL TIMES. THE LABORER SHALL IDENTIFY THE DEPTH OF THE WASTE AND NOTIFY THE OPERATOR SHOULD HE/SHE GET TOO CLOSE TO THE WASTE.

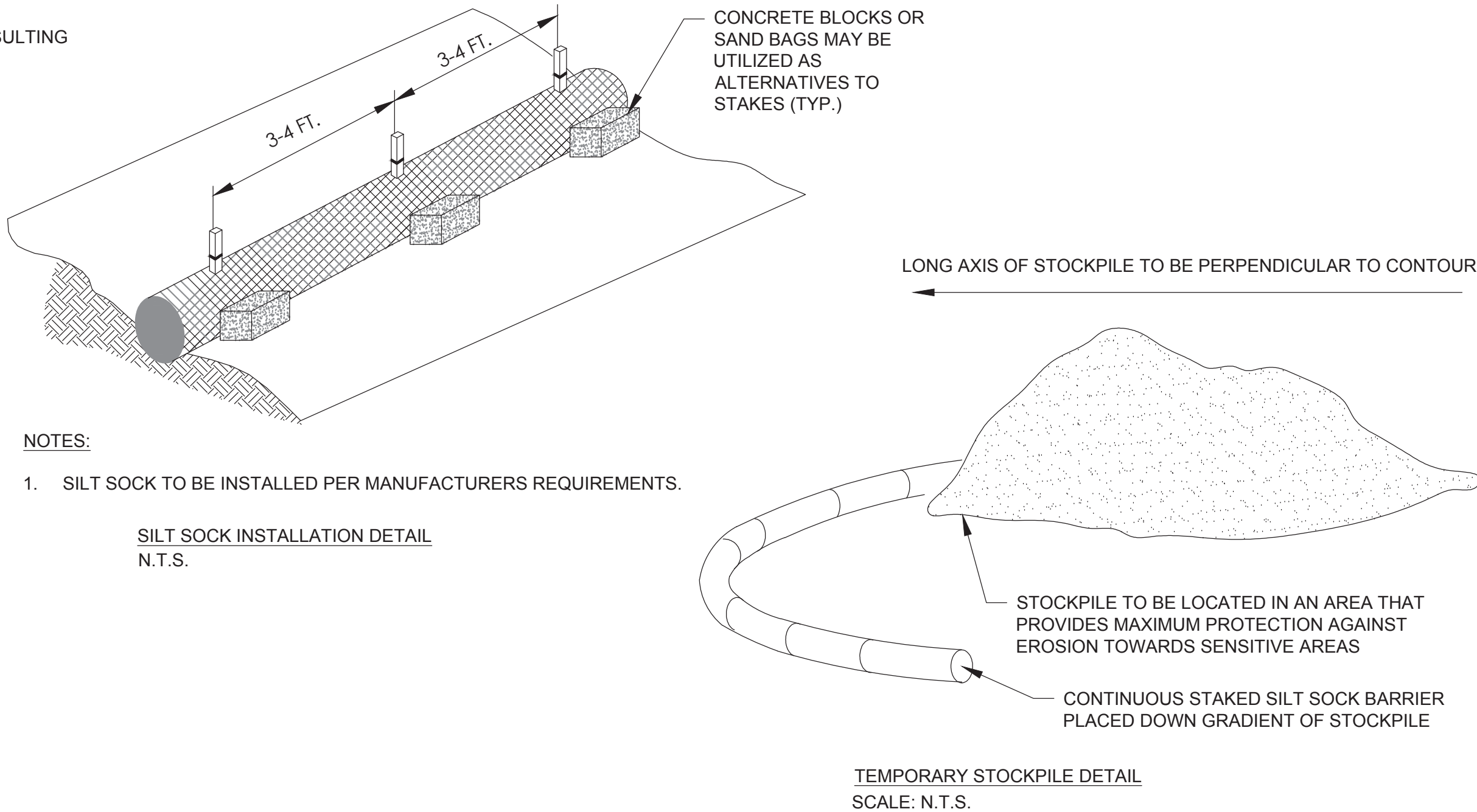
TEMPORARY EROSION CONTROL MEASURES:

1. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS DETERMINED BY THE ON-SITE ENGINEER.
2. THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME.
3. EROSION/SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON PLANS. EROSION CONTROL BARRIERS ARE TO BE MAINTAINED AND CLEANED UNTIL ALL AREAS HAVE BEEN ADEQUATELY STABILIZED.
4. THE TEMPORARY AND PERMANENT STORMWATER CONTROLS SHALL BE PERIODICALLY CLEANED OF SEDIMENT, AS REQUIRED BY THE ENGINEER. THE SEDIMENT WILL BE REMOVED TO A SECURE LOCATION SO AS TO PREVENT SILTATION OF NATURAL WATER WAYS.
5. SILT SOCK FILLED WITH COMPOST MUST BE A MINIMUM TUBE DIAMETER OF 12 INCHES (300mm) FOR SLOPES UP TO 50 FEET (15.24m) IN LENGTH WITH A SLOPE RATIO OF 3H:1V OR STEEPER. LONGER SLOPES OF 3H:1V MAY REQUIRE LARGER TUBE DIAMETER OR ADDITIONAL COURSING OF FILTER TUBES TO CREATE A FILTER BERM. SILT SOCK TO BE MADE OF BIODEGRADABLE BURLAP. SILT SOCK TO BE SEDIMENT FILTERMITT OR APPROVED EQUAL. OTHER REFER TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION INSTRUCTIONS.
6. INSTALL SOCK ALONG CONTOURS AND PERPENDICULAR TO SHEET OR CONCENTRATED FLOW.
7. CONFIGURE SOCKS AROUND EXISTING SITE FEATURES TO MINIMIZE SITE DISTURBANCE AND MAXIMIZE CAPTURE AREA OF STORMWATER RUN-OFF.
8. EROSION CONTROL MEASURES SHALL BE REMOVED WHEN DISTURBED AREA IS STABILIZED. DISTURBED AREA RESULTING FROM THE MEASURE REMOVAL OPERATION SHALL BE SEEDED IN ACCORDANCE WITH THE SPECIFICATIONS.

NOTES:

1. SILT SOCKS CAN BE STAKED ON THE LANDFILL PROVIDED THE STAKES TO DO NOT EXCEED 6" INTO THE VEGETATIVE SUPPORT LAYER. STAKES SHALL BE CLEARLY MARKED 19" FROM THE TIP OF THE STAKE (6" MAX. EMBEDMENT DEPTH + 12" SOCK) AND SHALL BE CLEARLY VISIBLE.

SILT SOCK STAKE/BLOCK CROSS SECTION  
SCALE: N.T.S.

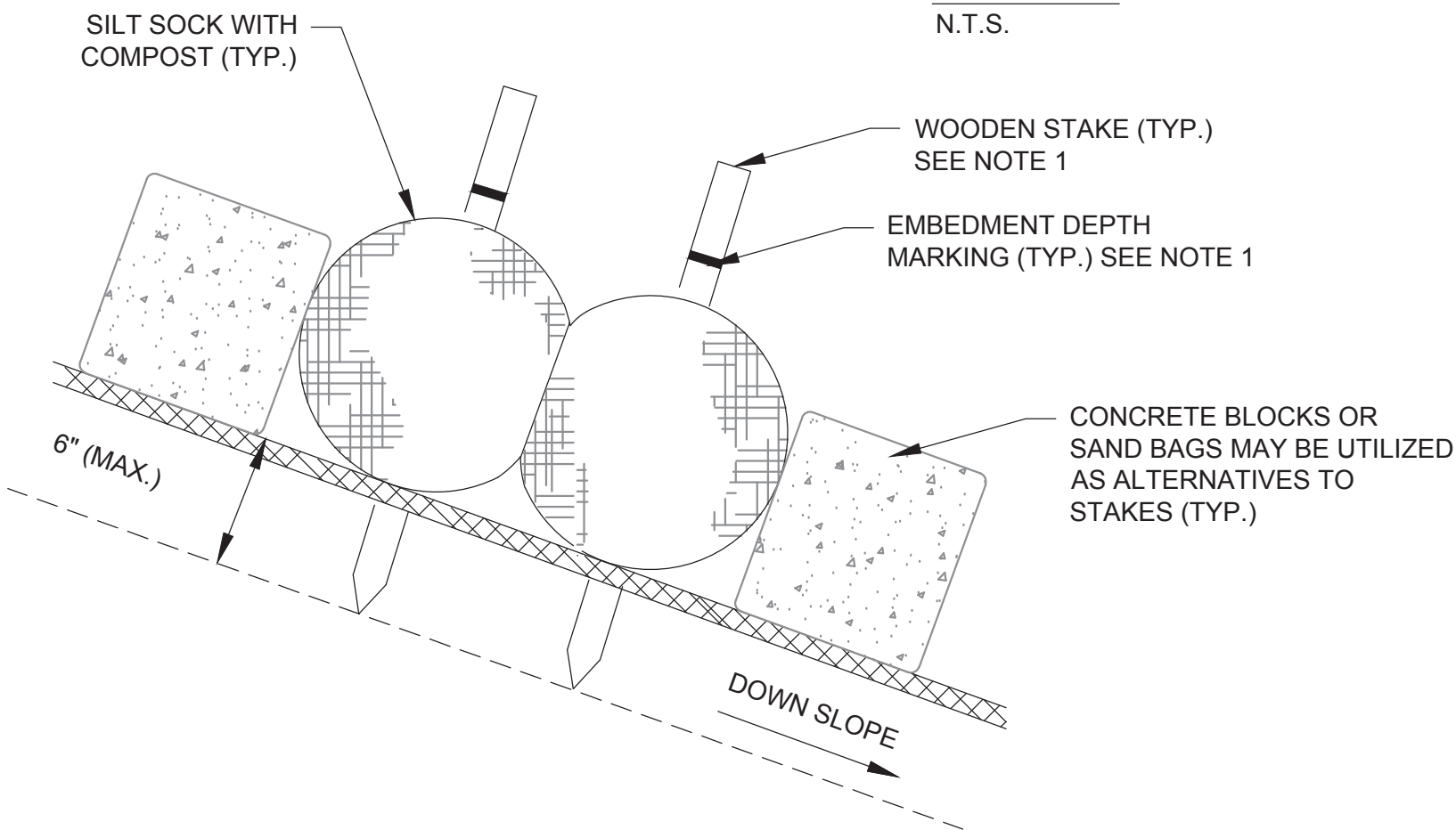
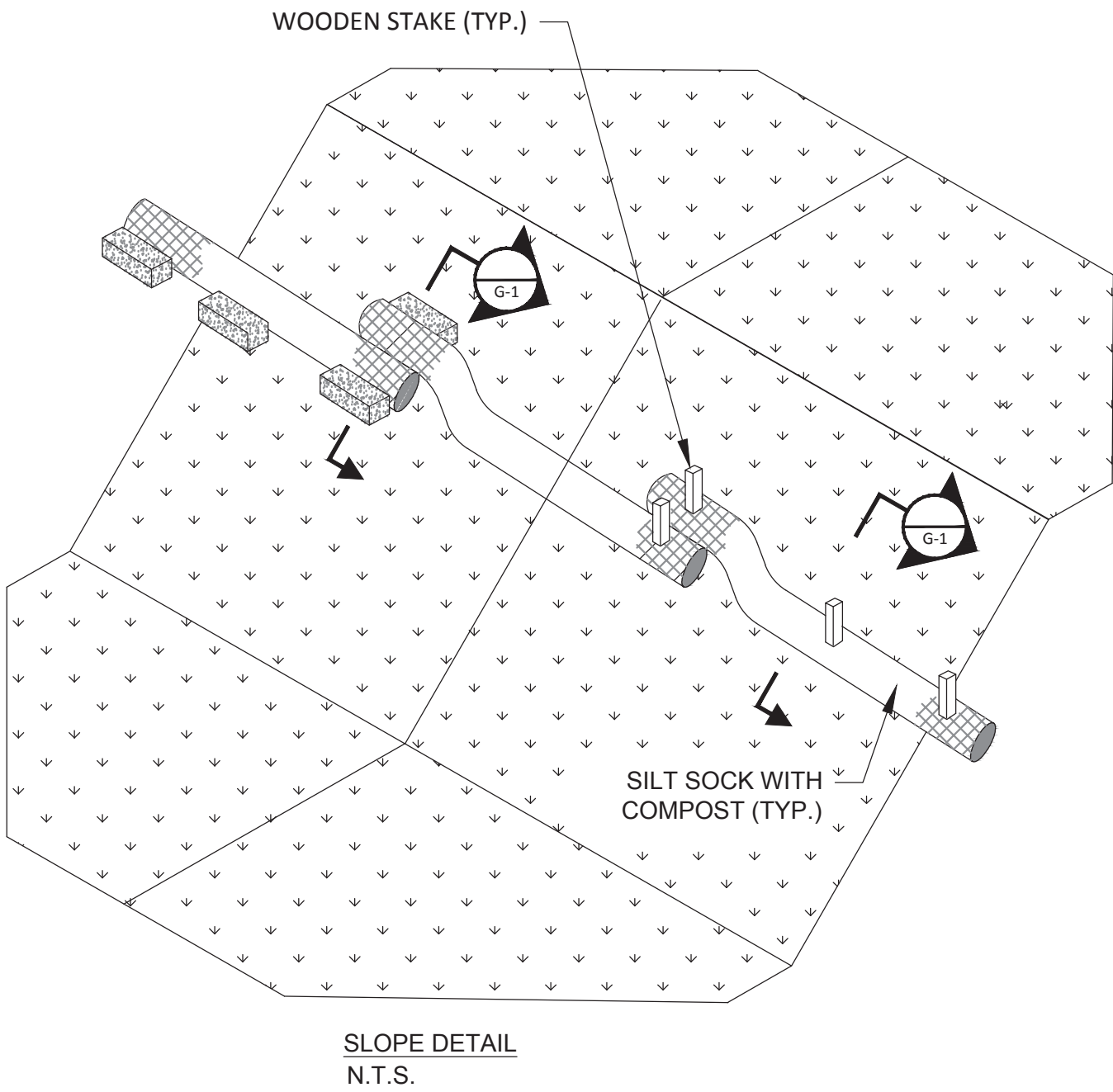


NOTES:

1. SILT SOCK TO BE INSTALLED PER MANUFACTURERS REQUIREMENTS.


SILT SOCK INSTALLATION DETAIL  
N.T.S.

TEMPORARY STOCKPILE DETAIL  
SCALE: N.T.S.



Project:

**LEXINGTON COMPOSTING FACILITY SOLAR PROJECT**



**60 HARTWELL AVENUE  
LEXINGTON, MA 02421**



**BRIGHTFIELDS**  
DEVELOPMENT LLC  
41 Walnut Street, Suite 301  
Wellesley, MA 02481  
(781) 489-6239  
www.solarbrownfields.com



35 Medford Street, Suite 306  
Somerville, MA 02143  
(781) 895-4661  
www.solarcity.com


**Weston&Sampson**

5 Centennial Drive, Peabody, Massachusetts  
(978) 532-1900 (800) Sampson  
www.westonandsampson.com

Revisions:

Rev	Date	Description
1	11.12.15	CON. COMM. COMMENTS

Seal:



**PERMIT SET  
NOT FOR CONSTRUCTION**

**JOB NO. 2150511**

Date: 10.12.2015

Scale: AS SHOWN

Drawn By: MSS

Reviewed By: MSS

Checked By: DCH

Approved By: DCH

Drawing Title:

**NOTES, LEGENDS, AND ABBREVIATIONS**

Sheet Number:

**G-1**



O:\Brightfields\Lexington Solar Landfill\CAD\02 Lexington Composting Facility - Solar Project - Notes G-1&2\_rev1.dwg

SEEDING WITHIN GROUND MOUNTED ARRAY AREA

NEW ENGLAND SEMI-SHADE GRASS AND FORBS MIX - THE NEW ENGLAND SEMI SHADE GRASS & FORB MIX CONTAINS A BROAD SPECTRUM OF NATIVE GRASSES AND FORBS THAT WILL TOLERATE SEMI-SHADE AND EDGE CONDITIONS. ALWAYS APPLY ON CLEAN BARE SOIL. THE MIX MAY BE APPLIED BY HYDRO-SEEDING, BY MECHANICAL SPREADER, OR ON SMALL SITES IT CAN BE SPREAD BY HAND. LIGHTLY RAKE, OR ROLL TO ENSURE PROPER SEED TO SOIL CONTACT. BEST RESULTS ARE OBTAINED WITH A SPRING SEEDING. LATE SPRING AND EARLY SUMMER SEEDING WILL BENEFIT WITH A LIGHT MULCHING OF WEED-FREE STRAW TO CONSERVE MOISTURE. IF CONDITIONS ARE DRIER THAN USUAL, WATERING WILL BE REQUIRED. LATE FALL AND WINTER DORMANT SEEDING REQUIRE AN INCREASE IN THE SEEDING RATE. FERTILIZER OR LIMING IS PROHIBITED, UNLESS PRIOR APPROVAL BY THE CONSERVATION COMMISSION. PREPARATION OF A CLEAN WEED FREE SEED BED IS NECESSARY FOR OPTIMAL RESULTS. APPLICATION RATE 30 POUNDS PER ACRE.

SEEDING WITHIN THE RIVERFRONT RESTORATION AREA  
(ADJACENT TO THE LOWER CANOPY)

NEW ENGLAND CONSERVATION/WILDLIFE MIX - THE NEW ENGLAND CONSERVATION/WILDLIFE MIX PROVIDES A PERMANENT COVER OF GRASSES, WILDFLOWERS, AND LEGUMES. FOR BOTH GOOD EROSION CONTROL AND WILDLIFE HABITAT VALUE. THE MIX IS DESIGNED TO BE A NO MAINTENANCE SEEDING, AND IS APPROPRIATE FOR CUT AND FILL SLOPES, DETENTION BASIN SIDE SLOPES, AND DISTURBED AREAS ADJACENT TO COMMERCIAL AND RESIDENTIAL PROJECTS. ALWAYS APPLY ON CLEAN BARE SOIL. THE MIX MAY BE APPLIED BY HYDRO-SEEDING, BY MECHANICAL SPREADER, OR ON SMALL SITES IT CAN BE SPREAD BY HAND. LIGHTLY RAKE, OR ROLL TO ENSURE PROPER SEED TO SOIL CONTACT. BEST RESULTS ARE OBTAINED WITH A SPRING SEEDING. LATE SPRING AND EARLY SUMMER SEEDING WILL BENEFIT WITH A LIGHT MULCHING OF WEED-FREE STRAW TO CONSERVE MOISTURE. IF CONDITIONS ARE DRIER THAN USUAL, WATERING WILL BE REQUIRED. LATE FALL AND WINTER DORMANT SEEDING REQUIRE AN INCREASE IN THE SEEDING RATE. FERTILIZER OR LIMING IS PROHIBITED, PRIOR APPROVAL FROM THE CONSERVATION COMMISSION. PREPARATION OF A CLEAN WEED FREE SEED BED IS NECESSARY FOR OPTIMAL RESULTS. APPLICATION RATE 25 POUNDS PER ACRE.

MAINTENANCE

MAINTENANCE OF SEEDED AREAS SHALL BE THE SOLE RESPONSIBILITY OF CONTRACTOR AS DESCRIBED BELOW:

- A. CONTRACTOR SHALL MAINTAIN THE ENTIRE SEEDED AREAS UNTIL FINAL ACCEPTANCE AT THE COMPLETION OF THE PROJECT OR FOR 90 DAY, WHICHEVER IS LONGER. MAINTENANCE SHALL INCLUDE WATERING AS SPECIFIED ,WEEDING, REMOVAL OF STONES WHICH MAY APPEAR AND REGULAR CUTTINGS OF THE GRASS NO CLOSER THAN 10 DAYS APART. THE FIRST CUTTING SHALL BE ACCOMPLISHED WHEN THE GRASS IS FROM 2-1/2 TO 3 INCHES HIGH. WEEKLY WATERING SHALL PROVIDE THE SEEDED AREAS WITH THE EQUIVALENT OF 1 INCH OF RAINFALL PER WEEK. IF THE SEEDED AREAS ARE WATERED BY NORMAL RAINFALL OR THE NORMAL WATERING IS INADEQUATE DUE TO WEATHER, THE CONTRACTOR MAY AT HIS/HER DISCRETION ELIMINATE OR INCREASE RESPECTIVELY, THE WATERING DURING A GIVEN WEEK. HOWEVER, SUCH ACTION BY CONTRACTOR SHALL IN NO WAY WAIVE CONTRACTOR'S RESPONSIBILITY FOR THE GROWTH AND HEALTH OF THE GRASS UNTIL FINAL ACCEPTANCE. CONTRACTOR SHALL FURNISH ALL TEMPORARY PIPE AND CONNECTIONS FOR SPRINKLING. CONTRACTOR SHALL FURNISH ALL REQUIRED WATER AT NO EXPENSE TO THE OWNER. GARDEN HOSE AND HAND SPRINKLING SHALL BE PERMITTED ONLY IN SPECIAL INSTANCES BY THE OWNER'S REPRESENTATIVE.
- B. ALL BARE SPOTS, WHICH BECOME APPARENT AS THE GRASS GERMINATES, SHALL BE RESEEDED BY CONTRACTOR AT ITS OWN EXPENSE AS MANY TIMES AS NECESSARY TO SECURE A GOOD GROWTH AND THE ENTIRE AREA SHALL BE MAINTAINED AND CUT UNTIL ALL WORK HAS BEEN COMPLETED AND FINAL ACCEPTANCE HAS OCCURRED.
- C. CONTRACTOR SHALL TAKE WHATEVER MEASURES ARE NECESSARY TO PROTECT THE GRASS WHILE IT IS GERMINATING. THESE MEASURES SHALL INCLUDE FURNISHING OF WARNING SIGNS, BARRIERS, TEMPORARY FENCE OR ANY OTHER NECESSARY MEASURES OF PROTECTION.
- D. CONTRACTOR SHALL FURNISH, PROTECT, AND MAINTAIN ALL TEMPORARY BARRIERS UNTIL FINAL ACCEPTANCE OF THE SEEDED AREAS BY THE OWNER AND SHALL REMOVE THEM UPON SUCH FINAL ACCEPTANCE. THE BARRIERS SHALL REMAIN THE PROPERTY OF CONTRACTOR AT ALL TIMES.

Project:

LEXINGTON COMPOSTING FACILITY  
SOLAR PROJECT



60 HARTWELL AVENUE  
LEXINGTON, MA 02421



BRIGHTFIELDS  
DEVELOPMENT LLC  
41 Walnut Street, Suite 301  
Wellesley, MA 02461  
(781) 468-6230  
www.solarbrownfields.com



35 Medford Street, Suite 306  
Somerville, MA 02143  
(781) 888-4661  
www.solarcity.com

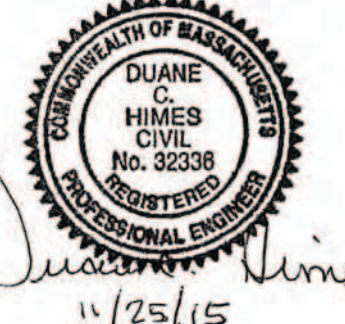


5 Centennial Drive, Peabody, Massachusetts  
(978) 532-1900 (800) Sampson  
www.westonandsampson.com

Revisions:

Rev	Date	Description
1	11.12.15	CON. COMM. COMMENTS
2	11.12.15	CON. COMM. COMMENTS

Seal:

  
11/25/15

PERMIT SET  
NOT FOR CONSTRUCTION

JOB NO. 2150511

Date: 10.12.2015

Scale: AS SHOWN

Drawn By: MSS

Reviewed By: MSS

Checked By: DCH

Approved By: DCH

Drawing Title:

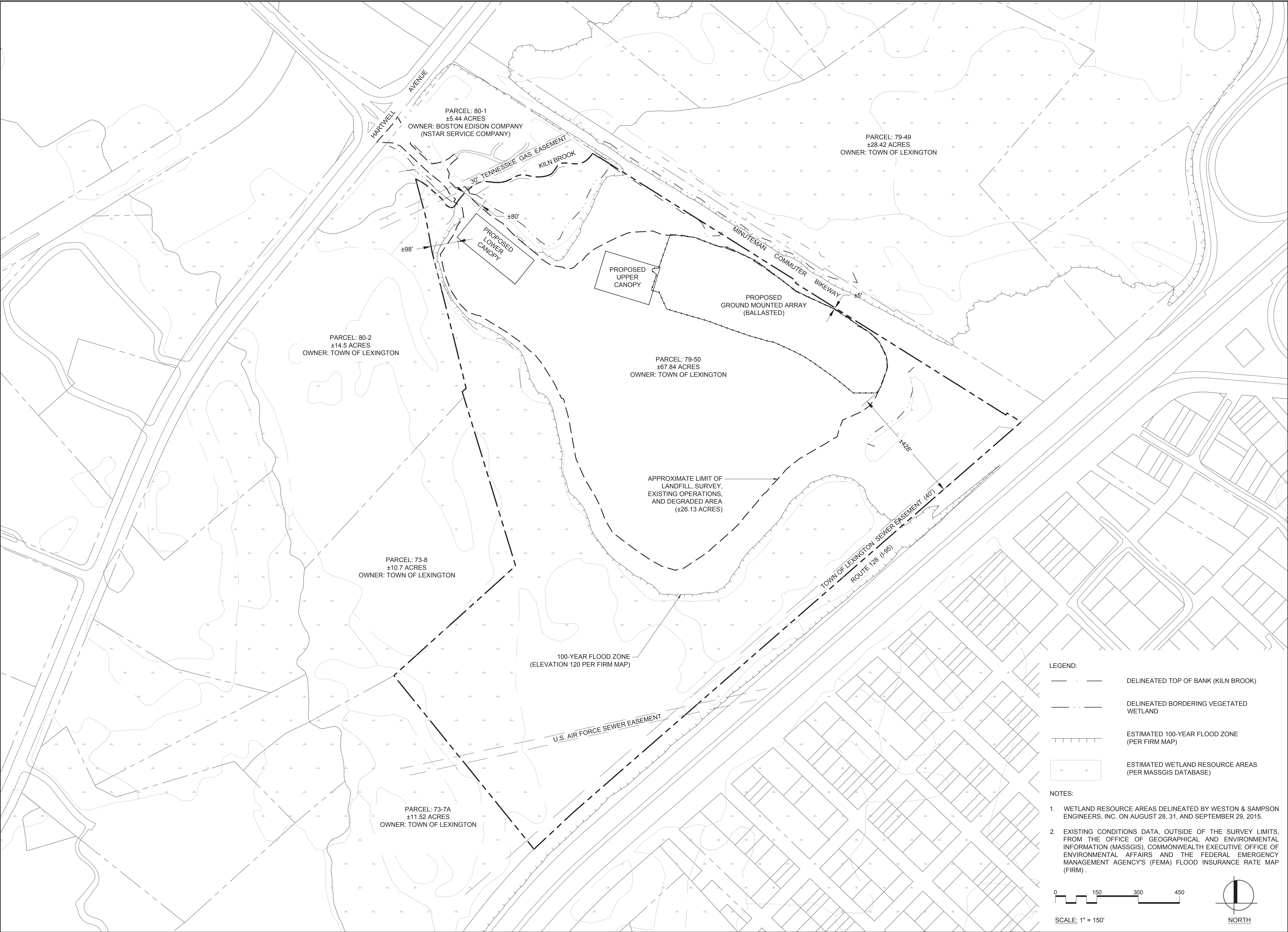
NOTES, LEGENDS, AND ABBREVIATIONS II

Sheet Number:

G-2



O:\Brightfields\Lexington Solar Landfill\CAD\03 Lexington LF - Layout\_rev1.dwg



Project:

**LEXINGTON COMPOSTING FACILITY SOLAR PROJECT**



**60 HARTWELL AVENUE  
LEXINGTON, MA 02421**



**BRIGHTFIELDS**  
DEVELOPMENT LLC  
41 Walnut Street, Suite 301  
Wellesley, MA 02481  
(781) 468-6239  
www.solarbrownfields.com



**SolarCity**  
35 Medford Street, Suite 306  
Somerville, MA 02143  
(781) 898-4661  
www.solarcity.com

**Weston & Sampson**  
5 Centennial Drive, Peabody, Massachusetts  
(978) 532-1900 (800) Sampson  
www.westonandsampson.com

Revisions:

Rev	Date	Description

Seal:

**PERMIT SET  
NOT FOR CONSTRUCTION**

**JOB NO. 2150511**

Date: 10.12.2015

Scale: AS SHOWN

Drawn By: MSS

Reviewed By: MSS

Checked By: DCH

Approved By: DCH

Drawing Title:

**AREA SITE PLAN**

Sheet Number:

**C-1**





PLANS FILED AT THE MIDDLESEX REGISTRY OF DEEDS, SOUTH DISTRICT:

1. LAND COURT PLANS:  
L.L.C. 6686  
L.L.C. 22677  
L.L.C. 31330  
L.L.C. 32606
2. RECORDED PLANS:  
PLAN 198 OF 2009  
PLAN 561 OF 2009  
PLAN 148 OF 2009  
PLAN 578 OF 1995  
PLAN 1673 OF 1960  
PLAN 1122 OF 1962  
PLAN 1573 OF 1980  
PLAN 256 OF 1959  
PLAN 109 OF 1962  
PLAN 157 OF 1961

LANDS AND ACCESS EASEMENT ACQUIRED BY THE TOWN OF  
LEXINGTON BY EMINENT DOMAIN BY DEEDS RECORDED IN THE  
MIDDLESEX REGISTRY OF DEEDS IN:

- BOOK 9974, PAGE 500  
BOOK 10096, PAGE 001

1. THIS SURVEY IS SUBJECT TO ALL ENFORCEABLE EASEMENTS, RESTRICTIONS, RIGHTS AND RESTRICTIONS OF RECORD.

2. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN  
UPDATED TITLE REPORT.

3. BOUNDARY LINE LOCATIONS WERE DETERMINED FROM FOUND MONUMENTATION INDICATED HEREON, AND MAPS AND DEEDS OF RECORD.

4. THOSE BOUNDARY LINES CALLED BY DEED OR RECORDED PLANS TO RUN ALONG THE CENTERLINE OF BROOKS OR DITCH'S HAVE BEEN APPROXIMATELY LOCATED FROM MAPS OF RECORD, THE LOCATIONS OF WHICH DIFFER FROM THEIR EXISTING LOCATIONS. SEE THE ADDITIONAL NOTES HEREON.

5. THE LOCATION OF THE EASEMENT ACQUIRED BY THE TOWN OF LEXINGTON BY DEED RECORDED IN BOOK 10096, PAGE 001 IS APPROXIMATE.

6. THE HORIZONTAL DATUM IS BASED ON MASSACHUSETTS MAINLAND  
STATE PLANE COORDINATES NAD 83 AND VERTICAL DATUM NAVD  
88.

7. WETLAND RESOURCE AREAS DELINEATED BY WESTON & SAMPSON ENGINEERS, INC. ON AUGUST 28, 31, AND SEPTEMBER 29, 2015.

8. EXISTING CONDITIONS DATA, OUTSIDE OF THE SURVEY LIMITS, FROM THE OFFICE OF GEOGRAPHICAL AND ENVIRONMENTAL INFORMATION (MASSGIS), COMMONWEALTH EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS AND THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S (FEMA) FLOOD INSURANCE RATE MAP (FIRM) .

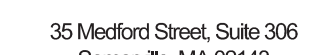
9. FOR THE BOUNDARY LINE SURVEY OF SUBJECT PARCEL, PREPARED IN CONJUNCTION WITH THE PROPOSED LEASE PARCEL, SEE SEPARATE PLAN ENTITLED: "BOUNDARY LINE SURVEY FOR LEXINGTON COMPOSTING FACILITY SOLAR PROJECT", DATED OCTOBER 13, 2015, PREPARED BY WESTON & SAMPSON.



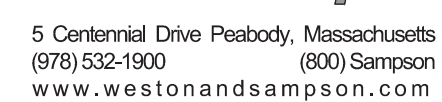
**LEXINGTON COMPOSTING  
FACILITY  
SOLAR PROJECT**



41 Walnut Street, Suite 301  
Wellesley, MA 02481  
(781) 489-6239  
[www.solarbrownfields.com](http://www.solarbrownfields.com)



35 Medford Street, Suite 306  
Somerville, MA 02143  
(781) 898-4661  
[www.solarcity.com](http://www.solarcity.com)



Rev	Date	Description
-----	------	-------------

Rev	Date	Description

PERMIT SET  
NOT FOR CONSTRUCTION

JOB NO. 2150511

Date: 10.12.2015

Scale: AS SHOWN

Drawn By: MSS

Reviewed By: MSS

Checked By: DCH

Approved By: DCH

Drawing Title:

## SURVEY PLAN

Sheet Number:

**C-2**



**C-3**



Drawing Title:

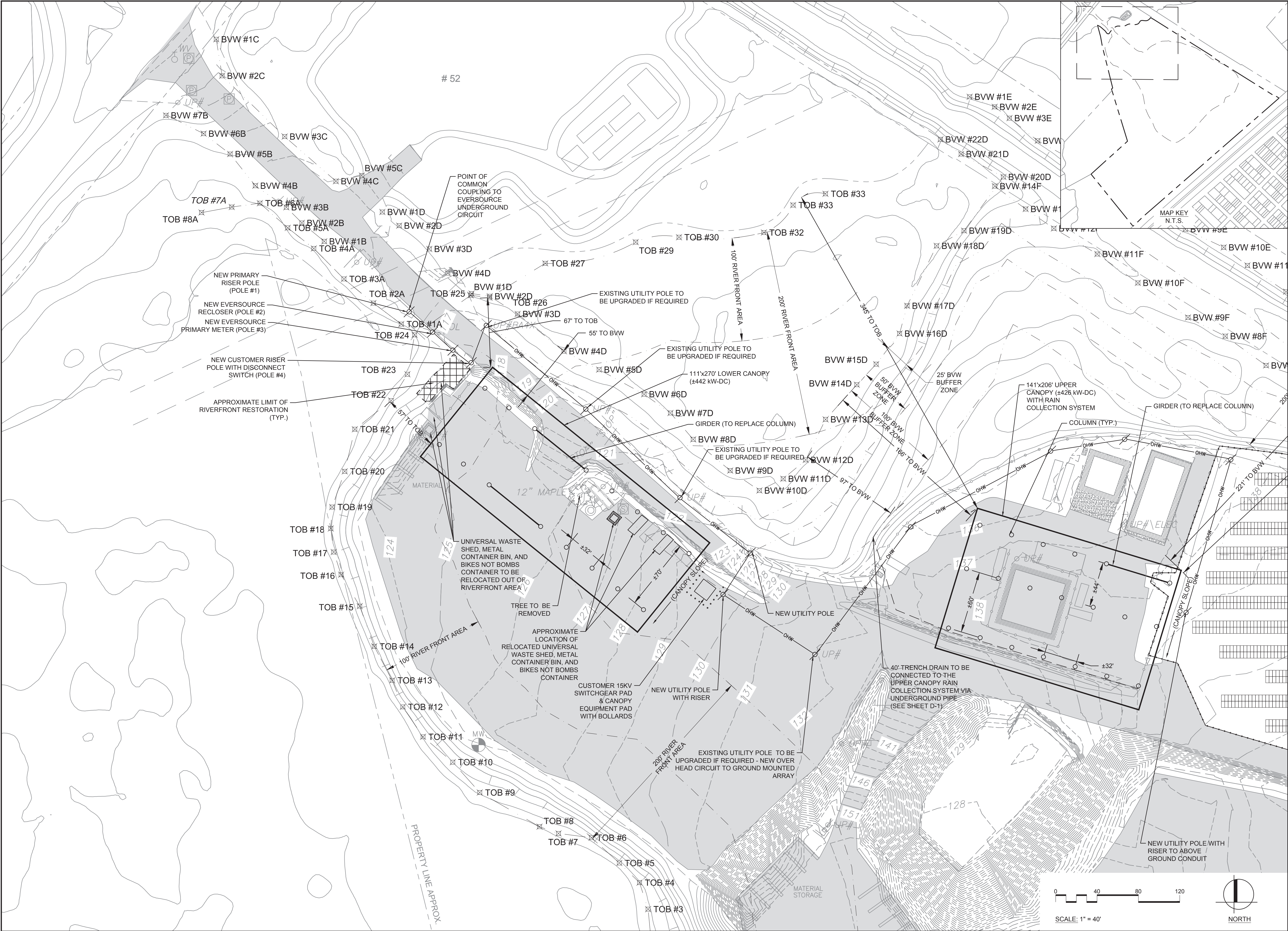
**EROSION CONTROL AND  
GRADING PLAN - UPPER  
CANOPY AND GROUND  
MOUNTED ARRAY**

Sheet Number:

**C-4**



O:\Brightfields\Lexington Solar Landfill\CAD\03 Lexington LF - Layout\_rev3.dwg



Project:

**LEXINGTON COMPOSTING FACILITY SOLAR PROJECT**



**60 HARTWELL AVENUE LEXINGTON, MA 02421**



**BRIGHTFIELDS DEVELOPMENT LLC**  
41 Waverly Street, Suite 301  
Wellesley, MA 02481  
(781) 468-6239  
www.solarbrownfields.com



**SolarCity**  
35 Medford Street, Suite 306  
Somerville, MA 02143  
(781) 898-4661  
www.solarcity.com




**Weston & Sampson**  
5 Centennial Drive, Peabody, Massachusetts 01960  
(978) 532-1900  
www.westonandsampson.com

Revisions:

Rev	Date	Description
1	10-21-15	CON. COMM. COMMENTS
2	11-25-15	CON. COMM. COMMENTS

Seal:



**PERMIT SET NOT FOR CONSTRUCTION**

**JOB NO. 2150511**

Date: 10.12.2015

Scale: AS SHOWN

Drawn By: MSS

Reviewed By: MSS

Checked By: DCH

Approved By: DCH

Drawing Title:

**LOWER CANOPY LAYOUT PLAN**

Sheet Number:

**C-5**



O:\Brightfields\Lexington Solar Landfill\CAD\03 Lexington LF - Layout\_rev3.dwg



Project:  
**LEXINGTON COMPOSTING FACILITY SOLAR PROJECT**



**60 HARTWELL AVENUE  
LEXINGTON, MA 02421**

**BRIGHTFIELDS**  
DEVELOPMENT LLC  
41 Waban Street, Suite 301  
Woburn, MA 02491  
(781) 488-6238  
www.solarbrownfields.com


**SolarCity**  
35 Medford Street, Suite 306  
Somerville, MA 02143  
(781) 888-4661  
www.solarcity.com

**Weston & Sampson**  
5 Centennial Drive, Peabody, Massachusetts  
(978) 532-1900  
www.westonandsampson.com

Revisions:

Rev	Date	Description
1	10-21-15	CON. COMM. COMMENTS
2	11-25-15	CON. COMM. COMMENTS

Seal:



11/25/15

PERMIT SET  
NOT FOR CONSTRUCTION

JOB NO. 2150511

Date: 10.12.2015  
Scale: AS SHOWN  
Drawn By: MSS  
Reviewed By: DCH  
Checked By: DCH  
Approved By: DCH

Drawing Title:

**UPPER CANOPY AND  
GROUND MOUNTED  
ARRAY LAYOUT PLAN**

Sheet Number:

**C-6**



O:\Brightfields\Lexington Solar Landfill\CAD\03 Lexington LF - Layout\_rev3.dwg



NOTES:

1. BORINGS WERE PERFORMED AT THE SITE BETWEEN AUGUST 20TH AND 25TH, 2015 AND OBSERVED BY A WESTON & SAMPSON GEOTECHNICAL ENGINEER.
2. SEE SHEET C-8 FOR CROSS SECTIONS

0

40

80

120

SCALE: 1" = 40'

NORTH

Project:

**LEXINGTON COMPOSTING FACILITY SOLAR PROJECT**



WHAT A GLORIOUS MORNING FOR AMERICA  
1775  
APRIL 19TH  
LEXINGTON

**60 HARTWELL AVENUE  
LEXINGTON, MA 02421**



**BRIGHTFIELDS**  
DEVELOPMENT LLC  
41 Walnut Street, Suite 301  
Wellesley, MA 02481  
(781) 468-6239  
www.solarbrownfields.com



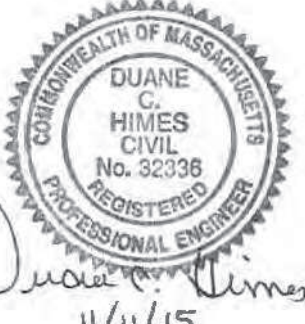
**SolarCity**  
35 Medford Street, Suite 306  
Somerville, MA 02143  
(781) 898-4661  
www.solarcity.com

**Weston & Sampson**  
5 Centennial Drive, Peabody, Massachusetts  
(978) 532-1900 (800) Sampson  
www.westonandsampson.com

Revisions:

Rev	Date	Description
1	10-21-15	NOI FILING

Seal:



11/11/15

**PERMIT SET  
NOT FOR CONSTRUCTION**

**JOB NO. 2150511**

Date: 10.12.2015

Scale: AS SHOWN

Drawn By: MSS

Reviewed By: DCH

Checked By: DCH

Approved By: DCH

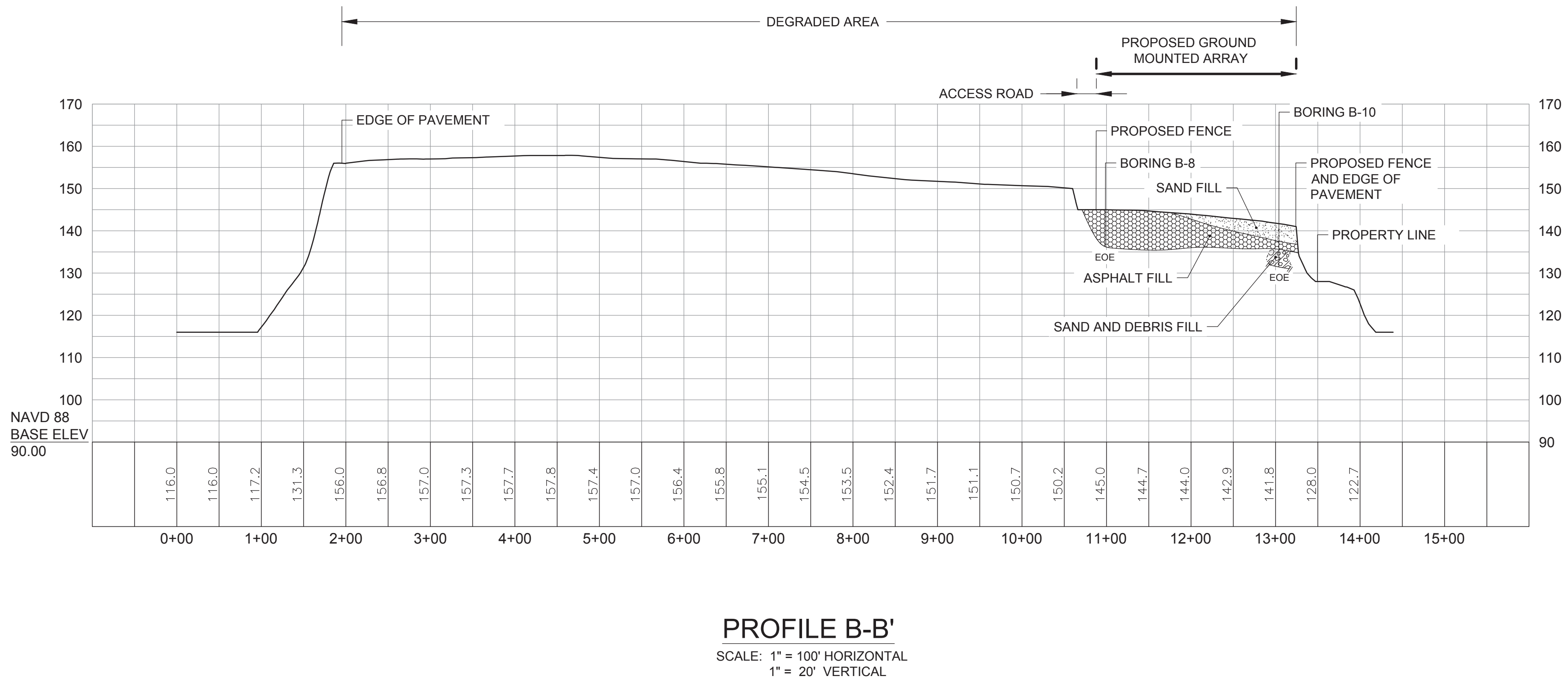
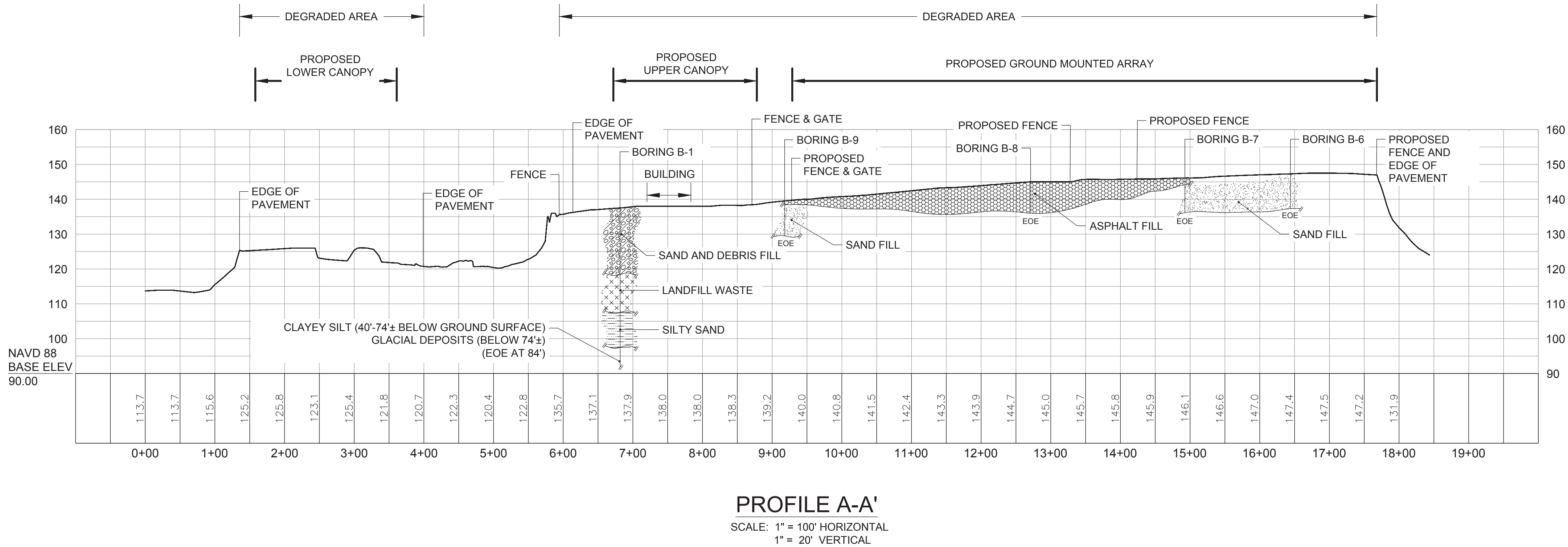
Drawing Title:

**BORING LOCATION  
PLAN**

Sheet Number:

**C-7**





NOTES:

1. THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. SUBSURFACE CONDITIONS BELOW END OF EXPLORATION (EOE) DEPTHS ARE UNKNOWN.
2. FINAL SYSTEM SIZE AND COMPONENTS ARE SUBJECT TO CHANGE. ALL DIMENSIONS AND DISTANCES ARE APPROXIMATE.
3. SEE SHEET C-7 FOR SECTION LOCATIONS.
4. SEE GEOTECHNICAL REPORT PREPARED BY WESTON & SAMPSON ENTITLED "GEOTECHNICAL INVESTIGATION, EVALUATION, AND FOUNDATION SUPPORT ALTERNATIVES - LEXINGTON LANDFILL AND COMPOST FACILITY," DATED SEPTEMBER 24, 2015 FOR DETAILED INFORMATION ON SUBSURFACE CONDITIONS.

Project:  
**LEXINGTON COMPOSTING FACILITY SOLAR PROJECT**

**60 HARTWELL AVENUE  
LEXINGTON, MA 02421**

**BRIGHTFIELDS**  
DEVELOPMENT LLC  
41 Walnut Street, Suite 301  
Wellesley, MA 02481  
(781) 489-6239  
www.solarbrownfields.com

**SolarCity**  
35 Medford Street, Suite 306  
Somerville, MA 02143  
(781) 898-4661  
www.solarcity.com

**Weston & Sampson**  
5 Centennial Drive, Peabody, Massachusetts  
(978) 532-1900 (800) Sampson  
www.westonandsampson.com

Revisions:

Rev	Date	Description
1	11.12.15	CON. COMM. COMMENTS

Seal:

PERMIT SET  
NOT FOR CONSTRUCTION  
JOB NO. 2150511

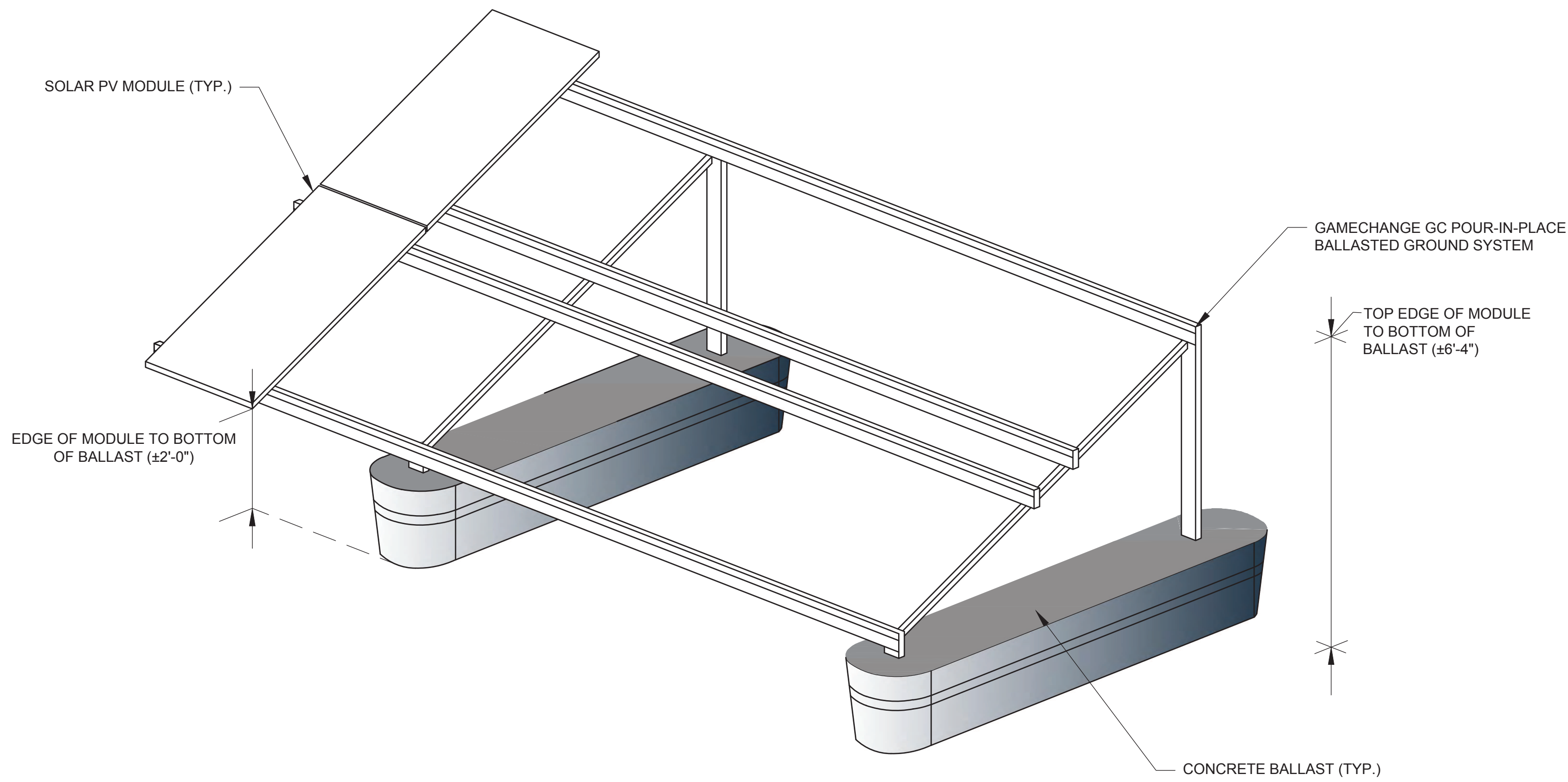
Date: 10.12.2015  
Scale: AS SHOWN  
Drawn By: MSS  
Reviewed By: DCH  
Checked By: DCH  
Approved By: DCH

Drawing Title:  
**SECTIONS PLAN**

Sheet Number:  
**C-8**

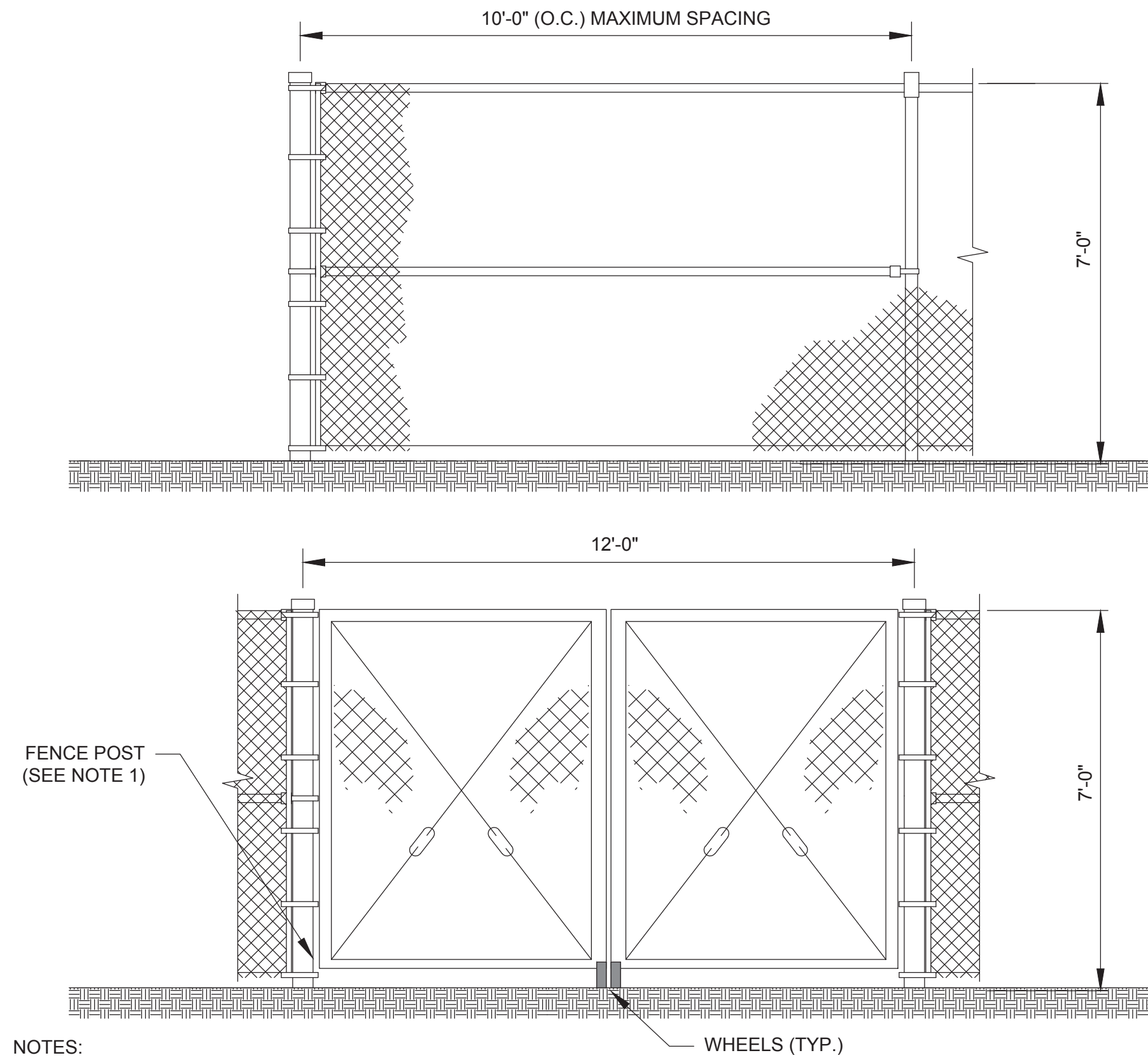


O:\Brightfields\Lexington Solar Landfill\CAD\04 Lexington Composting Facility - Solar Project - Details D-1-2\_rev1.dwg



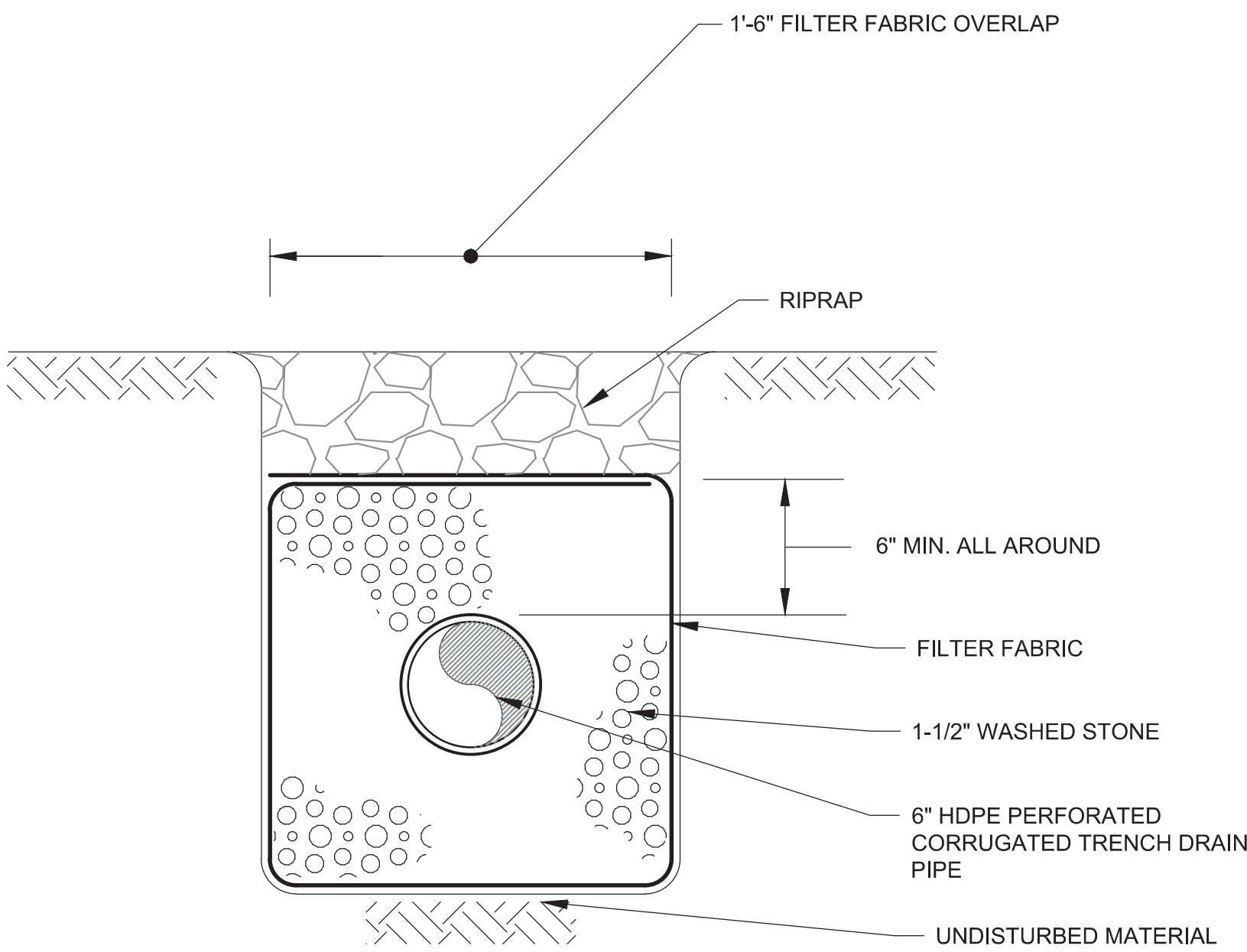
- NOTES:
1. SEE MANUFACTURERS INSTALLATION INSTRUCTIONS FOR DETAILS.

**1** RACKING DETAIL  
SCALE: N.T.S.

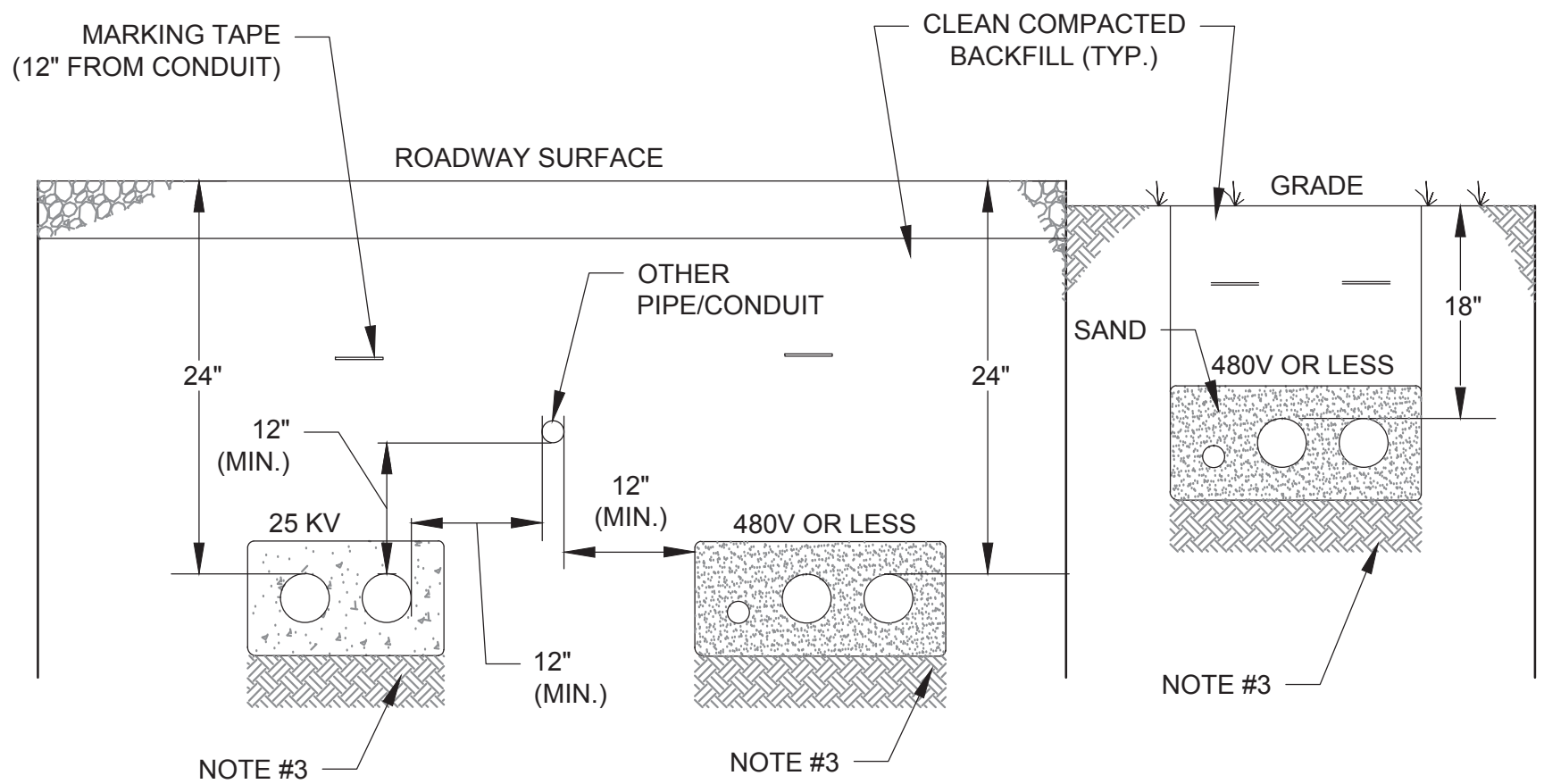


- NOTES:
1. FINAL FENCE DESIGN DETAILS TO BE BASED UPON DETAILED DESIGN AND MAY VARY FROM DEPICTION. THE DRIVEN FENCE POST METHOD IS PREFERRED, BUT DEPENDING ON SITE CONDITIONS, A BALLASTED FENCE MAY BE SUBSTITUTED.
  2. ALL FENCING AND HARDWARE SHALL BE GALVANIZED.

**2** TYPICAL CHAIN LINK FENCE AND GATE DETAIL  
SCALE: N.T.S.

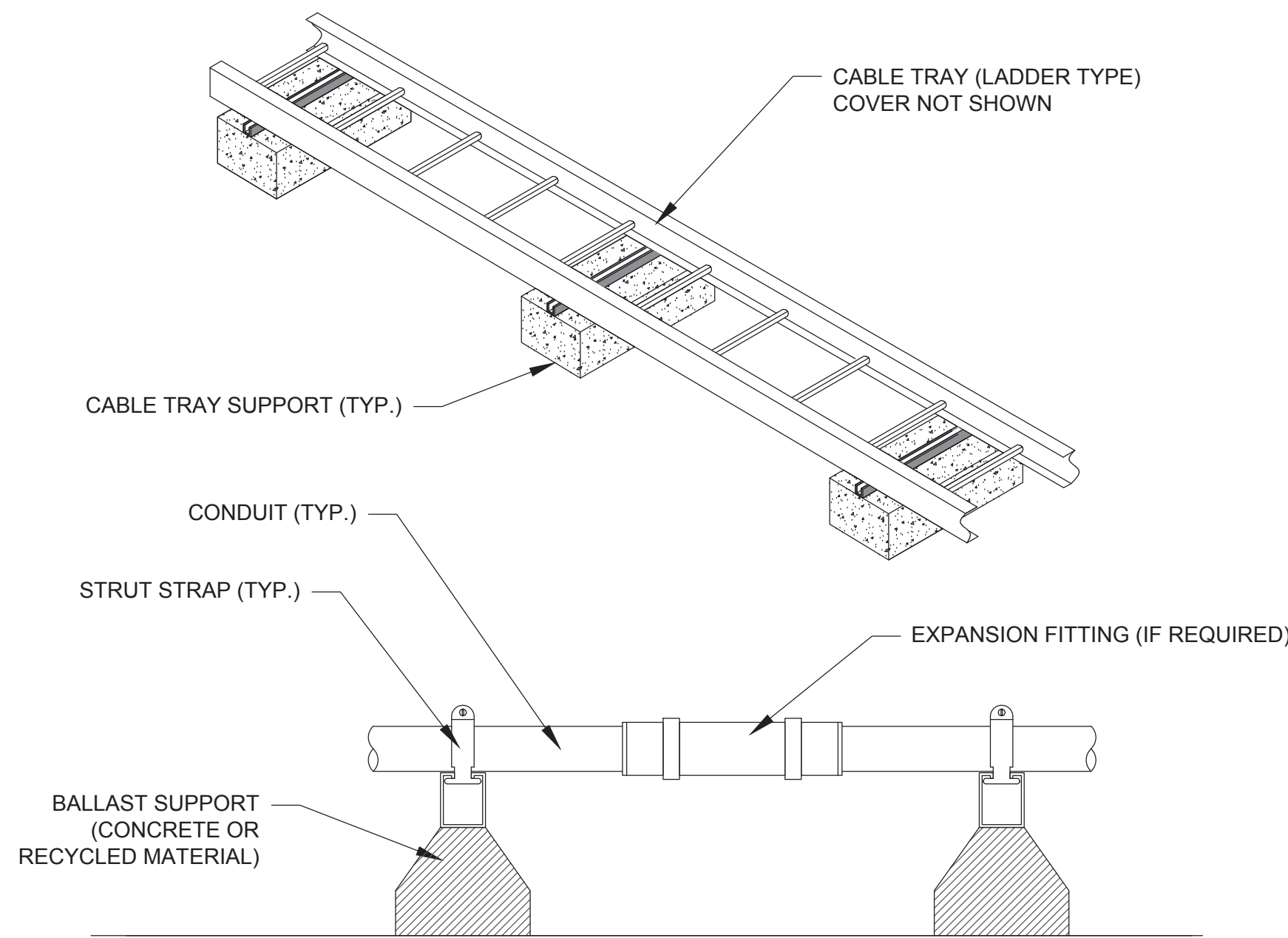


**3** TYPICAL TRENCH DRAIN DETAIL  
SCALE: N.T.S.



- NOTES:
1. UNLESS OTHERWISE INDICATED, MAINTAIN DEPTH AND CLEARANCES AS INDICATED OR AS REQUIRED BY CODE.
  2. THIS UNDERGROUND CONDUIT DETAIL WILL BE USED AT ALL OTHER UNDERGROUND INSTALLATIONS.
  3. 4" DEEP COMPACTED SOIL TO BE INSTALLED UNDER CONDUIT.
  4. FINAL ELECTRICAL EQUIPMENT AND DESIGN BASED ON EXISTING SITE CONDITIONS AND UTILITY REQUIREMENTS.

**4** TYPICAL UNDERGROUND CONDUIT SUPPORT DETAIL  
SCALE: N.T.S.



- NOTES:
1. ALL CONDUIT/TRAY RELATED HARDWARE TO BE GALVANIZED.
  2. CONDUIT SUPPORTS SHALL BE SPACED PER THE NEC.
  3. EXPANSION AND SPLICE FITTINGS SHALL BE INSTALLED PER THE NEC AND MANUFACTURERS SPECIFICATIONS.
  4. CONDUIT/TRAY TYPE AND DIMENSIONS SHALL BE BASED ON FINAL CONDUIT AND WIRE PLAN.
  5. CRUSHED STONE TO BE ADDED BENEATH CONDUIT/CABLE TRAY SUPPORTS AS NEEDED TO LEVEL.
  6. CONDUIT/TRAY AND SUPPORTS SHALL NOT BE INSTALLED SUCH THAT STORMWATER FLOW AND COLLECTION SHALL BE IMPACTED.
  4. FINAL ELECTRICAL EQUIPMENT AND DESIGN BASED ON EXISTING SITE CONDITIONS AND UTILITY REQUIREMENTS.

**5** TYPICAL ABOVE-GROUND CONDUIT/TRAY SUPPORT DETAIL  
SCALE: N.T.S.

Project:  
**LEXINGTON COMPOSTING FACILITY SOLAR PROJECT**

**60 HARTWELL AVENUE  
LEXINGTON, MA 02421**

**BRIGHTFIELDS**  
DEVELOPMENT LLC  
41 Wana Street, Suite 301  
Wellesley, MA 02481  
(781) 488-6239  
www.solarbrownfields.com

**SolarCity**  
35 Medford Street, Suite 306  
Somerville, MA 02143  
(781) 888-4661  
www.solarcity.com

**Weston & Sampson**  
5 Centennial Drive, Peabody, Massachusetts  
(978) 532-1900 (800) Sampson  
www.westonandsampson.com

Revisions:

Rev	Date	Description

Seal:

**PERMIT SET  
NOT FOR CONSTRUCTION**

**JOB NO. 2150511**

Date: \_\_\_\_\_

Scale: \_\_\_\_\_ AS SHOWN

Drawn By: MSS

Reviewed By: MSS

Checked By: DCH

Approved By: DCH

Drawing Title:

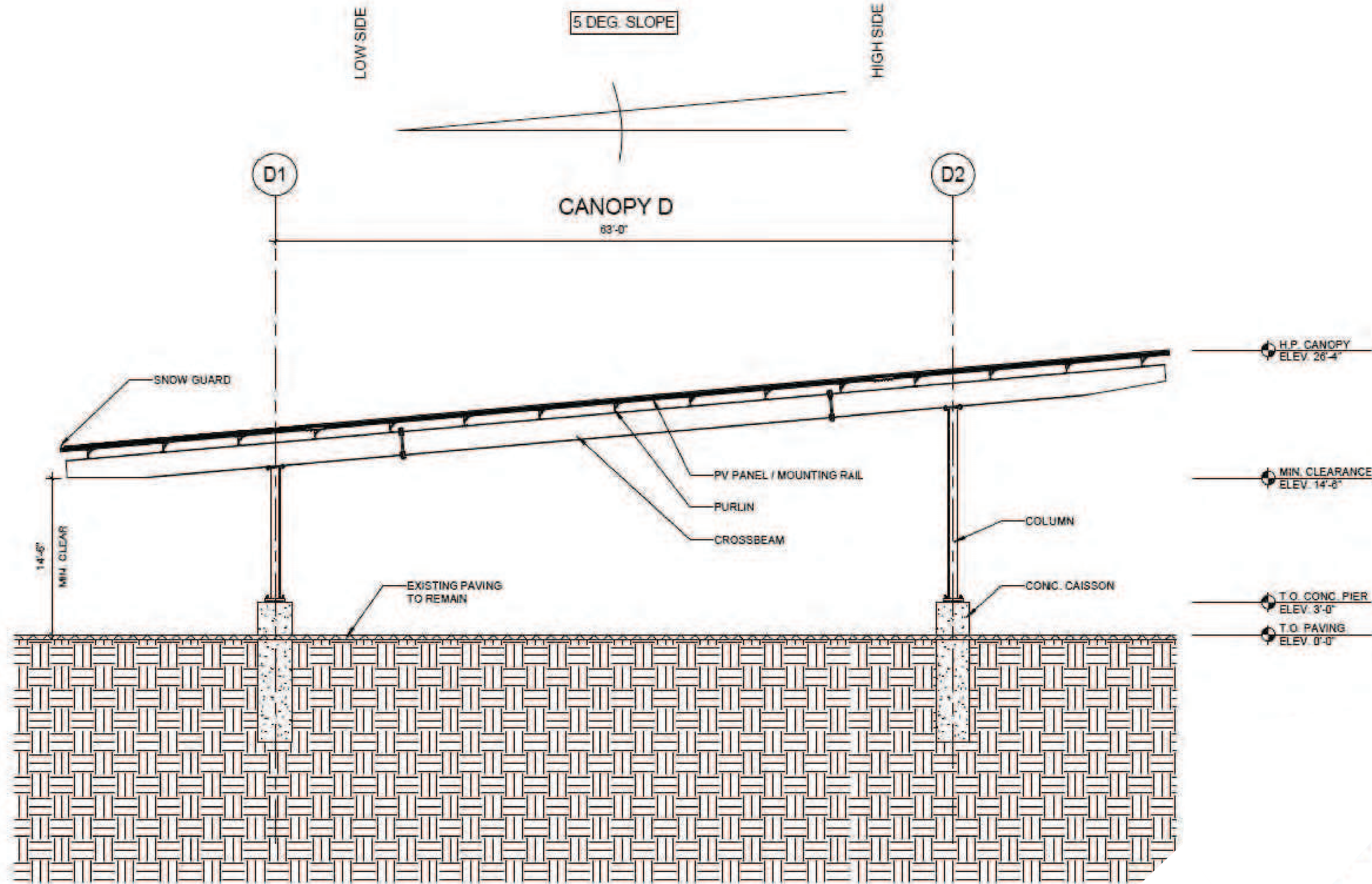
**TYPICAL DETAILS I**

Sheet Number:

**D-1**



O:\Brightfields\Lexington Solar Landfill\CAD\04 Lexington Composting Facility - Solar Project - Details D-1-2.dwg



NOTES:

1. TYPICAL SOLAR CANOPY DETAIL FOR REPRESENTATIVE PURPOSES ONLY. FINAL COMPONENTS AND CONFIGURATION SUBJECT TO CHANGE.

SOLAIRE GENERATION®

LONG SPAN 360 S

6

TYPICAL SOLAR CANOPY DETAIL (NORTH-SOUTH SECTION)

SCALE: N.T.S.

Project:

LEXINGTON COMPOSTING  
FACILITY  
SOLAR PROJECT



60 HARTWELL AVENUE  
LEXINGTON, MA 02421



DEVELOPMENT LLC  
41 Walnut Street, Suite 301  
Wellesley, MA 02481  
(781) 488-6239  
www.solarbrownfields.com



35 Medford Street, Suite 306  
Somerville, MA 02143  
(781) 898-4661  
www.solarcity.com

Weston & Sampson

5 Centennial Drive, Peabody, Massachusetts  
(978) 532-1900 (800) Sampson  
www.westonandsampson.com

Revisions:

Rev	Date	Description
-----	------	-------------


Seal:

PERMIT SET  
NOT FOR CONSTRUCTION

JOB NO. 2150511

Date:

Scale: AS SHOWN

Drawn By: MSS

Reviewed By: MSS

Checked By: DCH

Approved By: DCH

Drawing Title:

TYPICAL DETAILS II

Sheet Number:

D-2